Thermochimica Acta, 208 (1992) 349
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Akanni, M.S. 1
Allan, J.R. 107, 115, 125, 133

Brown, M.E. 201, 223, 247
Brucher, E. 261
Burrows, H.D. 1

Chen, S.-I. 147
Criado, J.M. 275

Drennan, R.L. 201, 223, 247
Dunn, J.G. 293

Ellis, H.A. 1

Fujieda, S. 97
Fujiwara, M. 261

Gardner, A.R. 107, 115, 125
Ger, M.-D. 147
Gong, W. 293
Gospodinov, G.G. 269

Hayashi, Y. 191
Huang, C.-C. 147

Jacob, K.T. 341
Jia, Y.Q. 181

Kale, G.M. 341
Kawahito, J. 97
Kemp, R.B. 83
Kiraly, R. 261
Kramer, A. 283

Lederer, K. 283
Lielmezs, J. 305
Lim, C.J. 305
Lin, Y.-C. 147
Liu, G. 305

Málek, J. 275
Martín-Gil, F.J. 139
Martín-Gil, J. 139
Matsushita, T. 261
McCloy, B. 107, 115, 125, 133

Nagata, I. 43, 61, 73
Niu, C.J. 181

Ochiai, M. 161
Okoh, E.K. 1
Orduña-Domingo, A. 139
Ozao, R. 161

Pacewska, B. 169

Ramos-Sánchez, M.C. 139
Rodríguez-Torres, A. 139

Shi, D. 293
Sivasamy, P. 283
Smith, W.E. 107, 115, 125
Sun, W.M. 181
Suzuki, M. 191

Uehara, A. 191

Vijayakumar, C.T. 283

Wakita, H. 261
Waseda, Y. 341
Watanabe, T. 43
Wells, C.F. 323

Yamaguchi, S. 191

Thermochimica Acta, 208 (1992) 351–357
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acid tellurate
Regularities in the formation of orthotellurates in the three-component system $AgNO_3$–$K_2H_4TeO_6$–H_2O and properties of the compounds obtained 269
Aerobic
Thermochemical analysis of intermediary metabolism in resting 2C11-12 mouse macrophage hybridoma cells 83
Aluminium ammonium sulphate
Thermal decomposition of basic aluminium ammonium sulphate in an environment of carbon and water vapour 169
Aminobenzoyl hydrazide
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Anaerobic
Thermochemical analysis of intermediary metabolism in resting 2C11-12 mouse macrophage hybridoma cells 83
Aniline
Excess molar enthalpies of binary and ternary mixtures containing aniline and 1-propanol 73
Antistatic
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125
Arrhenius
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 3. Kinetic aspects 247
Atmosphere
Thermal decomposition of basic aluminium ammonium sulphate in an environment of carbon and water vapour 169

Bacteria
Investigations on the thermotropic phase behaviour of lipids A from *Brucella* and other Gram-negative bacteria 139
Biological calorimetry
Thermochemical analysis of intermediary metabolism in resting 2C11-12 mouse macrophage hybridoma cells 83
Bis(acrylamido)acetic acid
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Bomb calorimetry
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223
Brucella
Investigations on the thermotropic phase behaviour of lipids A from *Brucella* and other Gram-negative bacteria 139

Carboxylate
The thermal behaviour of divalent and higher valent metal soaps: a review 1
Catabolism
Thermochemical analysis of intermediary metabolism in resting 2C11-12 mouse macrophage hybridoma cells 83
Catalyst
Temperature programmed desorption (TPD) from catalyst surfaces: the symmetry of the TPD curve as a function of the kinetic model 275
Cobalt compound
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107

Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125

Combustion
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223

Copper chromate
Gibbs energy of formation of $CuCrO_4$ and phase relations in the system Cu–Cr–O below 735 K 341

Copper compound
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125
Structural and thermal studies of a 5-fluorouracil complex of copper 133

Cyclohexane
Liquid–liquid equilibria for methanol + cyclohexane + *n*-heptane and methanol + toluene + cyclohexane + *n*-heptane at 25°C 61

Decomposition
Thermal decomposition of basic aluminium ammonium sulphate in an environment of carbon and water vapour 169
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201

Desorption
Temperature programmed desorption (TPD) from catalyst surfaces: the symmetry of the TPD curve as a function of the kinetic model 275

Diaminopyridine
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125

Dimethoxyethane
Ionic solvation in water + co-solvent mixtures. Part 24. Free energies of transfer of single ions from water into water + 1,2-dimethoxyethane mixtures 323

Dolomite
Thermal analysis and self-similarity law in particle size distribution of powder samples. Part 3 161

DSC
The thermal behaviour of divalent and higher valent metal soaps: a review 1
Investigations on the thermotropic phase behaviour of lipids A from *Brucella* and other Gram-negative bacteria 139
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 3. Kinetic aspects 247

DTA
The thermal behaviour of divalent and higher valent metal soaps: a review 1
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125
Structural and thermal studies of a 5-fluorouracil complex of copper 133
Thermal decomposition of mixtures containing nitrocellulose and pentaerythritol tetranitrate 147
Thermal analysis and self-similarity law in particle size distribution of powder samples. Part 3 161
Thermal decomposition of basic aluminium ammonium sulphate in an environment of carbon and water vapour 169
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201

Preparation and characterization of neodymium(III) and dysprosium(III) complexes with tetraaza macrocycles 261

DTG
Thermal decomposition process of some rare-earth–nitrilotriacetic acid–serine mixed complexes 181

Dysprosium compound
Preparation and characterization of neodymium(III) and dysprosium(III) complexes with tetraaza macrocycles 261

Equilibrium
Modification of the Wilson equation for correlating quaternary liquid–liquid equilibrium data 43
Liquid–liquid equilibria for methanol + cyclohexane + *n*-heptane and methanol + toluene + cyclohexane + *n*-heptane at 25°C 61

Excess molar enthalpy
Excess molar enthalpies of binary and ternary mixtures containing aniline and 1-propanol 73

Explosive
Thermal decomposition of mixtures containing nitrocellulose and pentaerythritol tetranitrate 147

F-function
Use of *F*-function of two-parameter cubic equation of state in *P*–*V*–*T* calculations of binary mixtures 305

Fluorouracil
Structural and thermal studies of a 5-fluorouracil complex of copper 133

Fractal
Thermal analysis and self-similarity law in particle size distribution of powder samples. Part 3 161

FTIR
The thermal behaviour of divalent and higher valent metal soaps: a review 1
A Fourier transform infrared study of the oxidation of pyrite 293

Gas
Use of *F*-function of two-parameter cubic equation of state in *P*–*V*–*T* calculations of binary mixtures 305

Gibbs energy
Gibbs energy of formation of $CuCrO_4$ and phase relations in the system Cu–Cr–O below 735 K 341

Gram-negative
Investigations on the thermotropic phase behaviour of lipids A from *Brucella* and other Gram-negative bacteria 139

HDPE
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125

Heat exchange
Thermal behaviour of Landolt reactions studied by heat exchange calorimetry of batch type 97

Heat of solution
Thermal behaviour of Landolt reactions studied by heat exchange calorimetry of batch type 97

Heat of transfer
Ionic solvation in water + co-solvent mixtures. Part 24. Free energies of transfer of single ions from water into water + 1,2-dimethoxyethane mixtures 323

Heptane
Liquid–liquid equilibria for methanol + cyclohexane + *n*-heptane and methanol + toluene + cyclohexane + *n*-heptane at 25°C 61

IRS
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125
Thermal decomposition of basic aluminium ammonium sulphate in an environment of carbon and water vapour 169

Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223
Preparation and characterization of neodymium(III) and dysprosium(III) complexes with tetraaza macrocycles 261

Isomer
Solid phase thermal cis–trans isomerization of the bis(diamine) and tetraazacycloalkane complexes of the type $[(Co \text{ or } Cr)X_2\{(diamine)_2 \text{ or } (mac)\}]^+$. Isomerization of *cis*-$[CoCl_2(cyclam)](Cl \text{ or } BF_4)$ in the solid state 191

Kinetics
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 3. Kinetic aspects 247
Temperature programmed desorption (TPD) from catalyst surfaces: the symmetry of the TPD curve as a function of the kinetic model 275
A kinetic analysis of thermogravimetric data of radically polymerised *N*-phenylmaleimide 283

Landolt reaction
Thermal behaviour of Landolt reactions studied by heat exchange calorimetry of batch type 97

Lanthanon
Thermal decomposition process of some rare-earth–nitrilotriacetic acid–serine mixed complexes 181

Lanthanon compound
Preparation and characterization of neodymium(III) and dysprosium(III) complexes with tetraaza macrocycles 261

Lipid
Investigations on the thermotropic phase behaviour of lipids A from *Brucella* and other Gram-negative bacteria 139

Liquid
Liquid–liquid equilibria for methanol + cyclohexane + *n*-heptane and methanol + toluene + cyclohexane + *n*-heptane at 25°C 61
Use of *F*-function of two-parameter cubic equation of state in $P-V-T$ calculations of binary mixtures 305

Luminescence
Thermochemical analysis of intermediary metabolism in resting 2C11-12 mouse macrophage hybridoma cells 83

Macrocycle
Preparation and characterization of neodymium(III) and dysprosium(III) complexes with tetraaza macrocycles 261

Manganese
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 3. Kinetic aspects 247

Metabolism
Thermochemical analysis of intermediary metabolism in resting 2C11-12 mouse macrophage hybridoma cells 83

Metal
The thermal behaviour of divalent and higher valent metal soaps: a review 1

Methanol
Liquid–liquid equilibria for methanol + cyclohexane + *n*-heptane and methanol + toluene + cyclohexane + *n*-heptane at 25°C 61

Model
Modification of the Wilson equation for correlating quaternary liquid–liquid equilibrium data 43
Liquid–liquid equilibria for methanol + cyclohexane + *n*-heptane and methanol + toluene + cyclohexane + *n*-heptane at 25°C 61
Excess molar enthalpies of binary and ternary mixtures containing aniline and 1-propanol 73
Temperature programmed desorption (TPD) from catalyst surfaces: the symmetry of the TPD curve as a function of the kinetic model 275
Use of *F*-function of two-parameter cubic equation of state in $P-V-T$ calculations of binary mixtures 305

Molybdenum
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 3. Kinetic aspects 247

Mouse macrophage
Thermochemical analysis of intermediary metabolism in resting 2C11-12 mouse macrophage hybridoma cells 83

MVST
Thermal decomposition of mixtures containing nitrocellulose and pentaerythritol tetranitrate 147

Neodymium compound
Preparation and characterization of neodymium(III) and dysprosium(III) complexes with tetraaza macrocycles 261
Nickel compound
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125
Nitrilotriacetic acid
Thermal decomposition process of some rare-earth–nitrilotriacetic acid–serine mixed complexes 181
Nitrocellulose
Thermal decomposition of mixtures containing nitrocellulose and pentaerythritol tetranitrate 147
NMR
The thermal behaviour of divalent and higher valent metal soaps: a review 1

Pentaerythritol tetranitrate
Thermal decomposition of mixtures containing nitrocellulose and pentaerythritol tetranitrate 147
Phase
The thermal behaviour of divalent and higher valent metal soaps: a review 1
Investigations on the thermotropic phase behaviour of lipids A from *Brucella* and other Gram-negative bacteria 139
Ionic solvation in water + co-solvent mixtures. Part 24. Free energies of transfer of single ions from water into water + 1,2-dimethoxyethane mixtures 323
Gibbs energy of formation of $CuCrO_4$ and phase relations in the system Cu–Cr–O below 735 K 341
Phenylmaleimide
A kinetic analysis of thermogravimetric data of radically polymerised *N*-phenylmaleimide 283
Polyethylene
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125
Polymer
The thermal behaviour of divalent and higher valent metal soaps: a review 1
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125
Thermal decomposition of mixtures containing nitrocellulose and pentaerythritol tetranitrate 147
A kinetic analysis of thermogravimetric data of radically polymerised *N*-phenylmaleimide 283
Powder
Thermal analysis and self-similarity law in particle size distribution of powder samples. Part 3 161
Propanol
Excess molar enthalpies of binary and ternary mixtures containing aniline and 1-propanol 73
Pyrite
A Fourier transform infrared study of the oxidation of pyrite 293
Pyrotechnic
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223

Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 3. Kinetic aspects 247

Self similarity
Thermal analysis and self-similarity law in particle size distribution of powder samples. Part 3 161

SEM
Thermal decomposition of basic aluminium ammonium sulphate in an environment of carbon and water vapour 169
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223

Serine
Thermal decomposition process of some rare-earth–nitrilotriacetic acid–serine mixed complexes 181

Silver compound
Regularities in the formation of orthotellurates in the three-component system $AgNO_3$–$K_2H_4TeO_6$–H_2O and properties of the compounds obtained 269

Soap
The thermal behaviour of divalent and higher valent metal soaps: a review 1

Solid state
Solid phase thermal cis–trans isomerization of the bis(diamine) and tetraazacycloalkane complexes of the type $[(Co \text{ or } Cr)X_2\{(diamine)_2 \text{ or } (mac)\}]^+$. Isomerization of *cis*-$[CoCl_2(cyclam)](Cl \text{ or } BF_4)$ in the solid state 191

Solubility
Modification of the Wilson equation for correlating quaternary liquid–liquid equilibrium data 43

Solvation
Ionic solvation in water + co-solvent mixtures. Part 24. Free energies of transfer of single ions from water into water + 1,2-dimethoxyethane mixtures 323

Spinel
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223

Surface
Temperature programmed desorption (TPD) from catalyst surfaces: the symmetry of the TPD curve as a function of the kinetic model 275

Tellurate
Regularities in the formation of orthotellurates in the three-component system $AgNO_3$–$K_2H_4TeO_6$–H_2O and properties of the compounds obtained 269

TG
Thermal behaviour of Landolt reactions studied by heat exchange calorimetry of batch type 97
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,2-bis(acrylamido)acetic acid and assessment of their suitability as anti-static additives for polyethylene 107
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 4-aminobenzoyl hydrazide and an assessment of their suitability as anti-static additives for polyethylene 115
Structural and thermal studies of the chloro complexes of cobalt, nickel and copper with 2,6-diaminopyridine and an assessment of their suitability as anti-static additives for polyethylene 125
Structural and thermal studies of a 5-fluorouracil complex of copper 133
Thermal decomposition of mixtures containing nitrocellulose and pentaerythritol tetranitrate 147
Thermal analysis and self-similarity law in particle size distribution of powder samples. Part 3 161
Thermal decomposition of basic aluminium ammonium sulphate in an environment of carbon and water vapour 169
Thermal decomposition process of some rare-earth–nitrilotriacetic acid–serine mixed complexes 181
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 3. Kinetic aspects 247
Preparation and characterization of neodymium(III) and dysprosium(III) complexes with tetraaza macrocycles 261

TGA
Thermal decomposition of mixtures containing nitrocellulose and pentaerythritol tetranitrate 147
A kinetic analysis of thermogravimetric data of radically polymerised *N*-phenylmaleimide 283

Toluene
Liquid–liquid equilibria for methanol + cyclohexane + *n*-heptane and methanol + toluene + cyclohexane + *n*-heptane at 25°C 61

TPD
Temperature programmed desorption (TPD) from catalyst surfaces: the symmetry of the TPD curve as a function of the kinetic model 275
Transition
The thermal behaviour of divalent and higher valent metal soaps: a review 1
Investigations on the thermotropic phase behaviour of lipids A from *Brucella* and other Gram-negative bacteria 139
Transport property
The thermal behaviour of divalent and higher valent metal soaps: a review 1

UNIQUAC
Liquid–liquid equilibria for methanol + cyclohexane + *n*-heptane and methanol + toluene + cyclohexane + *n*-heptane at 25°C 61
Excess molar enthalpies of binary and ternary mixtures containing aniline and 1-propanol 73

Vapour
Use of *F*-function of two-parameter cubic equation of state in *P–V–T* calculations of binary mixtures 305

Wilson equation
Modification of the Wilson equation for correlating quaternary liquid–liquid equilibrium data 43

XRD
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 1. Thermal analysis 201
Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO_2 and/or SrO_2. Part 2. Combustion studies 223